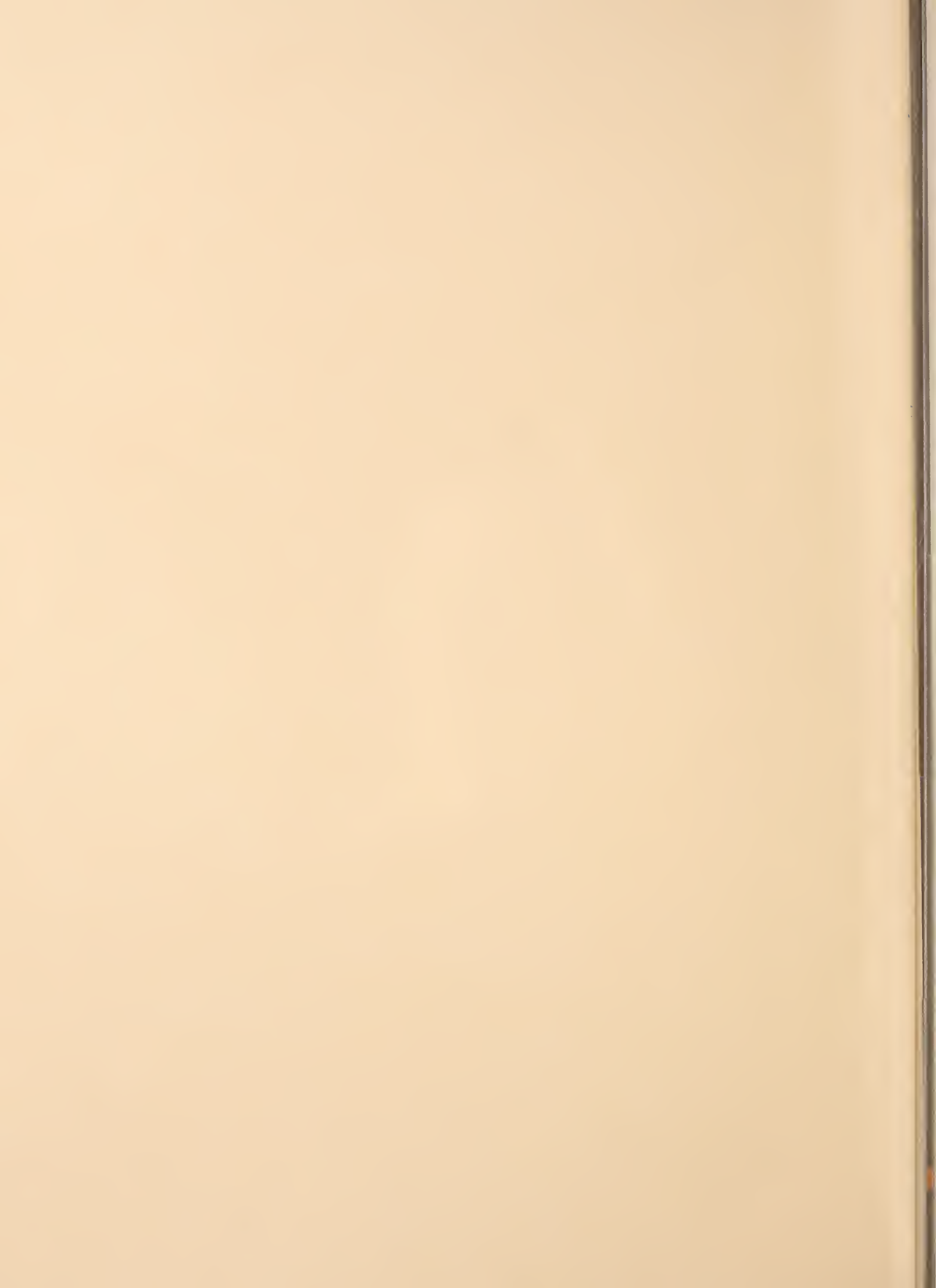
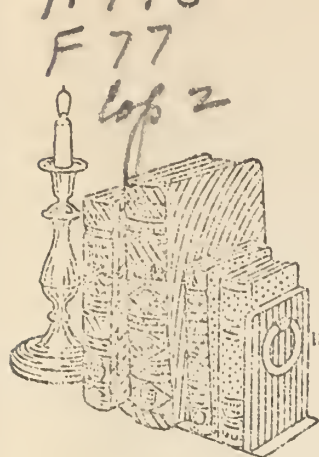


## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.





# LIBRARY NEWSLETTER

U. S. DEPARTMENT OF AGRICULTURE

LOUISIANA BRANCH LIBRARY  
1018 FEDERAL OFFICE BUILDING  
NEW ORLEANS 12, LOUISIANA  
TELEPHONE MA5271 EXT 325

Vol. 7, Nos. 5-6.

November-December 1948.

\*\*\* \*\*

\* "That weary listlessness, which renders life unsupportable \*  
\* to the voluptuous and the indolent, is unknown to those \*  
\* who can employ themselves by reading." --Fenelon. \*

\*\*\* \*\*

## RAINFALL AND RUNOFF\*

By E. E. Foster

Comment by H. G. Wilm, Conservationist  
Southern Forest Experiment Station

In recent years a considerable demand has developed for a text which would assemble and make available the widely scattered current knowledge on hydrology. Mr. Foster's new book goes a long way toward meeting this need.

After introductory discussions of water resources and hydrology, the author goes into the factors involved in precipitation (both rain and snow.) This leads naturally to analyses of the kinds, distribution, and frequency of precipitation. Then, after a single chapter on the losses to which precipitation is exposed, the rest of the text is devoted to stream discharges, flood runoff, and groundwater.

A good deal of space is appropriately given to methods for measuring and analyzing the various hydrologic factors. Included are a number of statistical techniques--some developed by the author--which will be useful to hydrologists and technicians in other fields as well.

\* Foster, E. E. RAINFALL AND RUNOFF. Macmillan, 1948. 487p. 340 F81

## OTHER NEW BOOKS IN THE LIBRARY

THE BUSINESS OF FARMING, by Herrell DeGraff and Ladd Haystead. University of Oklahoma Press, 1948. 244p. 281.12 D362

What makes an adequate farm? Perhaps you can better answer that question after reading this book which "is concerned with all phases of farming and all types of farms. It is a general manual of management for the man who farms, who wants to farm, who owns a farm, or who wants to know what elements make for success or failure in farming. The four parts--soil management, equipment management, labor management, and farm organization--contain many aids to help the farmer analyze his own problems; to determine whether to own, rent, or

combine both; to make the most profitable use of his soil while protecting it or building it up; to employ labor--his own or hired--more efficiently; and to find out what his 'real' income is."

THE FARMER'S HANDBOOK, by John M. White. University of Oklahoma Press, 1948. 440p. 30.3 W58

Have you ever wished for an up-to-date ready reference book on the problems of farming that would meet your needs as a cook book fills the needs of a housewife? Here is such a book. It was prepared by a man who felt just such a need in his work as county agent, agricultural adviser, and member of the extension service at Oklahoma A. and M. College. For more than twenty years, Mr. White has been collecting, organizing, and condensing the vast amount of useful knowledge that now appears in The Farmer's Handbook.

PRINCIPLES OF AGRICULTURAL BOTANY, by Alexander Nelson. Thomas Nelson and Sons, 1946. 556p. 463 H33

The author, lecturer in plant physiology and agricultural botany at the University of Edinburgh, states that the book was planned and written with two main objects in view--first, to put before the students those principles of plant science that bear on agriculture, along with some examples of the application of them to farming practice, and secondly, to assemble all the information likely to be required when preparing for a formal examination in botany. The clarity of expression and excellence of illustrations are noteworthy.

TRANSACTIONS OF THE THIRTEENTH NORTH AMERICAN WILDLIFE CONFERENCE, edited by Ethel M. Quee. Wildlife Management Institute, 1948. 650p. 412.9 N814

The addresses delivered at the general sessions were centered on four big subjects: (1) Wildlife Technology--How and for What? (2) Duck Needs Being Ducked? (3) Wildlife Horizons--1948. (4) An Uninformed Public--The Management Bottleneck. The addresses given at the technical sessions were grouped under six headings: (1) Fish and Game Stocking--When Needed? (2) Agricultural Wildlife. (3) Coastal and Marine Wildlife. (4) Range and Forest Wildlife. (5) Harvesting Wildlife Crops. (6) Wildlife of the Wet Lands and Inland Waters.

#### SELECTED BULLETINS

##### Farming Interests

"Coastal Bermuda Grass," by G. W. Burton. Ga. Coastal Plain Expt. Sta. Cir. 10. Rev. July 1943. 19p. 100 G292C 10

"Control of Cotton Root Rot by Sweetclover in Rotation," by E. W. Lyle and others. Tex. Agr. Expt. Sta. Bul. 699. July 1948. 21p. 100 T31S 699

"Grass Silage," by W. A. King. Purdue Univ. Agr. Expt. Sta. Cir. 333. Sept. 1948. 11p. 100 In2S 333

"Managing Farm Finances," by H. C. Larsen and N. W. Johnson. USDA Misc. Pub. 652. Sept. 1948. 69p. 1 Ag84M 652

"1949 Farm Production Prospects in Oklahoma." Okla. Agr. Expt. Sta. Mimeo. Cir. M-175. Oct. 1948. 19p. 100 Ok4M 175

"The Quality of Water for Irrigation Use," by L. V. Wilcox. USDA Tech. Bul. 962. Sept. 1948. 40p. 1 Ag84Te 962

"Safe Water for the Farm," by H. L. Garver. USDA Farmers' Bul. 1978. Sl. rev.



Sept. 1948. 46p. 1 Ag84F 1978

"Silos: Types and Construction," by J. R. McCalmont. USDA Farmers' Bul. 1820. Revised Sept. 1948. 64p. 1 Ag84F 1820

"Suggested Plan for the Large Southern Piedmont Cotton Farms," by C. B. Ratchford. N. C. Agr. Col. Ext. Cir. 321. July 1948. 12p. 275.29 N811C 321

"Suggested Plan for the Medium Southern Piedmont Cotton Farms," by C. B. Ratchford. N. C. Agr. Col. Ext. Cir. 320. July 1948. 10p. 275.29 N811C 320

"What is a Conservation Farm Plan?" USDA Leaflet 249. Oct. 1948. 7p. 1 Ag84L 249

### Forestry

"Crown Development and Basal Area Growth of Red Oak and White Ash," by Torkel Holsoe. Harvard Forest Papers Vol. 1, No. 3. 1948. 99.9 H264P

"An Improved Increment-Core Method for Predicting Growth of Forest Stands," by S. R. Gevorkiantz and L. P. Olson. Lake States Forest Expt. Sta. Station Paper No. 12. July 1948. 19p. 1.9622 L2St2

"Methods Used to Control Pollination of Pines in the Sierra Nevada of California," by W. C. Cumming. USDA Cir. No. 792. Sept. 1948. 18p. 1 Ag84C

"Poisoning of Bottomland Hardwoods," by L. C. Maisenholder. Miss. Agr. Expt. Sta. Cir. 139. March 1948. 7p. 100 M69C 139

"Rehabilitation of Areas Stripped for Coal," by A. G. Chapman. Central States Forest Expt. Sta. Tech. Paper 108. Nov. 1947. 14p. 1.9622 C3T222

### Grazing and Related Problems

"Method and Principles of Combining Forage and Physical Surveys for Range Lands," by J. L. Retzer and J. L. Spatziani. Rocky Mountain Forest and Range Expt. Sta. and Region 2, Forest Service. (Preliminary draft.) n.d. 12p.

"Seven Years of Grazing Results: the Fourteenth Semi-Annual Progress Report of Investigations Conducted on the USDA Southern Plains Experimental Range....," by D. A. Savage and others. 14p. 1948.

"Sugarcane: An economical Winter Roughage for the Lower Coastal Plain of Georgia," by J. W. Stevenson and B. L. Southwell. Ga. Coastal Plain Expt. Sta. Cir. 13. August 1948. 11p.

"The Use and Misuse of Shrubs and Trees as Fodder With Tables Showing Composition and Digestibility." Imperial Agricultural Bureaux Joint Publication No. 10. June 1947. 231p. 10 Im73 No. 10

### Miscellaneous

"Chemical Composition of Plants as an Index of Their Nutritional Status," by D. W. Goodall and F. G. Gregory. Imperial Bureau of Horticulture and Plantation Crops. Tech. Com. No. 17. July 1947. 167p. 84 Im72

"Efficient Use of Food Resources in the United States," by R. P. Christensen. USDA Tech. Bul. 963. Oct. 1948. 98p. 1 Ag84Te 963

"Functional Kitchen Storage," by M. K. Heiner and H. E. McCullough. Cornell Univ. Agr. Expt. Sta. Bul. 846. June 1948. 77p. 100 N48C 846

- "Investigations of Chloropicrin as a Soil Fumigant," by F. L. Stark, Jr. Cornell Univ. Agr. Expt. Sta. Memoir 278. August 1948. 61p. 100 M48C 278
- "Wider Application of the Electrical Method of Collecting Fish," by J. L. Funk. Missouri Conservation Commission. June 1948. 11p.

HOUSEHOLD FINANCE CORPORATION BOOKLETS

Better Buymanship Series:

- Better Buymanship Principles. 1947.
- Better Buymanship-Use and Care: Dairy Products. 1945. Booklet No. 11.
- |   |   |   |   |   |
|---|---|---|---|---|
| " | " | " | " | Fish. 1947. Booklet No. 9.              |
| " | " | " | " | Food Fats and Oils. 1947. No. 22.       |
| " | " | " | " | Fresh Fruits & Vegetables. 1947. No. 3. |
| " | " | " | " | Furniture. 1947. No. 26.                |
| " | " | " | " | Grain Products. 1947. No. 28.           |
| " | " | " | " | Household Textiles. 1948. No. 2.        |
| " | " | " | " | Kitchen Utensils. 1947. No. 7.          |
| " | " | " | " | Meat. 1947. No. 6.                      |
| " | " | " | " | Radios. 1947. No. 25.                   |
| " | " | " | " | Vacuum Cleaners. 1947. No. 21.          |

Money Management Series:

- Money Management: Children's Spending. 1948.
- |   |   |                            |
|---|---|----------------------------|
| " | " | The Clothing Dollar. 1946. |
| " | " | The Food Dollar. 1947.     |
| " | " | Home Furnishings. 1947.    |
| " | " | The Rental Dollar. 1947.   |

THE SOUTH

How well do you know The South in which you live and work? What do you know of its people, its culture, its needs, its planning for the future?

The books listed here were selected from our library shelves with the thought that they might be helpful in widening your knowledge and understanding of The South.

- ALL THESE PEOPLE: THE NATION'S HUMAN RESOURCES IN THE SOUTH, by R. B. Vance. Univ. of N. C. Press, 1945. 503p. 280.002 V27
- ARKANSAS: A GUIDE TO THE STATE. WPA. 1941. 447p. 125 F312Ark
- BELOW THE POTOMAC: A BOOK ABOUT THE NEW SOUTH, by Virginus Dabney. Appleton-Century, 1942. 332p. 280.002 D11
- CROSS CREEK, by Marjorie Kinnan Rawlings. Scribner's, 1942. 368p. 280.017 R19
- CULTURE IN THE SOUTH, edited by W. T. Couch. Univ. of N. C. Press, 1935. 711p. 280.002 C83
- DEEP DELTA COUNTRY, by Harnett T. Kane. Duell, Sloan & Pearce, 1944. 283p. 138 K13
- LANTERNS ON THE LEVEE: RECOLLECTIONS OF A PLANTER'S SON, by W. A. Percy. Knopf, 1941. 348p. 280.045 P41



- LOUISIANA: A GUIDE TO THE STATE. WPA, 1941. 746p. 125 F312L
- OKLAHOMA: A GUIDE TO THE SOONER STATE. WPA, 1941. 442p. 125 W9320
- OZARK COUNTRY, by O. E. Rayburn. Duell, Sloan & Pearce, 1941. 352p. 135 R21
- PLANNING FOR THE SOUTH: AN INQUIRY INTO THE ECONOMICS OF REGIONALISM, by J. V. Van Sickle. Vanderbilt Univ. Press, 1943. 255p. 280.002 V36P
- A SOCIO-ECONOMIC SURVEY OF THE MARSHDWELLERS OF FOUR SOUTHEASTERN LOUISIANA PARISHES, by E. J. Kammer. Catholic Univ. of America Press, 1941. 180p. 280.033 K12
- A SOUTHERNER DISCOVERS THE SOUTH, by Jonathan Daniels. Macmillan, 1938. 346p. 280.002 D22
- TEXAS, A GUIDE TO THE LONE STAR STATE, WPA, 1940. 713p. 125 F312Tx
- THE WAY OF THE SOUTH: TOWARD THE REGIONAL BALANCE OF AMERICA, by H. W. Odum. Macmillan, 1947. 350p. 280.002 Od8W

#### PERIODICAL NOTES

JOURNAL OF RANGE MANAGEMENT, published quarterly by The American Society of Range Management, makes its appearance with the October 1948 issue. You may receive it regularly on library loan by sending in your request.

Periodicals discontinued. Because of cuts in our 1949 budget, we had to discontinue subscriptions to a number of periodicals. So beginning with January 1949 issues, you will not receive the following periodicals. We are very sorry that this step was necessary.

Agricultural history.  
Agricultural leaders' digest.  
American agriculturist.  
American cattle producer.  
American hereford journal.  
American journal of sociology.  
American political science review.  
American poultry journal.  
American society of civil engineers.

Proceedings.  
Appraisal journal.  
Architectural forum.  
Better homes and gardens.  
Breeder's gazette.  
Capper's farmer.  
Chronica botanica.  
Consumer reports.  
Consumers' research bulletin.  
Empire forestry journal.  
Facts for farmers.  
Farm bureau press, Arkansas.  
Farm journal.  
Furniture manufacture.  
Hardwood market report.

Indian forester.  
Louisiana farm bureau news.  
Mississippi valley lumberman.  
Missouri ruralist.  
Modern packaging.  
National grange monthly.  
National wool grower.  
Nation's agriculture.  
New York lumber trade journal.  
Paper mill news.  
Personnel administration.  
Prefabricated homes.  
Public affairs pamphlets.  
Pulp and paper magazine of Canada.  
Science.  
Shorthorn world.  
Social forces.  
Southern agriculturist.  
Successful farming.  
Tappi bulletin.  
Texas business review.  
Timber of Canada.  
United States news.  
Vital speeches of the day.

West coast lumberman.  
Western livestock journal.  
Wood.

SOME "BEST SELLERS" AVAILABLE AGAIN

- AGRONOMY, PRINCIPLES AND PRACTICES, by L. F. Graber and H.L. Ahlgren. Brown, 1946. 151p. 452.8 G76
- CHARTER FOR THE SOIL, by John Drummond. Faber, 1944. 219p. 32 D84
- FISH PONDS FOR THE FARM, by F. C. Edminster. Scribner's, 1947. 114p. 414 Ed5
- GROWING PASTURES IN THE SOUTH, by J. F. Combs. Univ. of N. C. Press, 1936. 270p. 60.1 C73
- NATURE AND PREVENTION OF PLANT DISEASES, by K. S. Chester. Blakiston, 1947. 2nd ed. 525p. 464 C42
- PAY DIRT: FARMING & GARDENING WITH COMPOSTS, by J. I. Rodale. Devin-Adair, 1946. 242p. 57.4 R61
- pH AND PLANTS: AN INTRODUCTION FOR BEGINNERS, by James Small. Van Nostrand, 1946. 216p. 463.3 SmlP
- PLANT GROWTH, by L. E. Yocum. Cattell, 1945. 203p. 463 Y7
- SOILS AND FERTILIZERS FOR GREENHOUSE AND GARDEN, by Alex Laurie and D. C. Kiplinger. De La Mare, 1946. 119p. 57 L37
- TWO BILLION ACRE FARM: AN INFORMAL HISTORY OF AMERICAN AGRICULTURE, by R. W. Howard. Doubleday, Doran, 1945. 209p. 30.9 H83

